

Listing of Claims:

1. (Currently Amended) A management object process unit comprising:

a control processing section for performing a control of selectively collecting a plurality of management objects from a managed device; and

a memory section for storing the management objects collected from said managed device;

wherein said control processing section includes an object managing section, having items of classification data for classifying the plurality of management objects ~~respectively~~ into types, for collecting those of the management objects in advance which are classified to a specific ~~type~~ one of the types by the classification data to store the collected management objects in said memory section, for checking, at a time of receiving an object collection request, the classification data for a management object requested by the object collection request, for retrieving the management object confirmed by a check result as being of the specific type from said memory section to transmit the retrieved management object, and for collecting the management object confirmed by the check result as being of a type other than the specific type from said managed device to transmit the collected management object;

wherein said object managing section includes items of attribute data for the management objects, each of which includes
25 ~~at least one of: (i) a collection time required for collecting a corresponding management object; , (ii) an access frequency of a collection request for the corresponding management object, and (iii) a value change frequency of the corresponding management object; and~~

30 ~~wherein said collection time is for comparison with a reference collection time, said access frequency is for comparison with a reference access frequency, and said value change frequency is for comparison with a reference value change frequency,~~ and wherein each of said items of classification data
35 is determined by a result of comparison; and

wherein said object managing section includes a processing section for classifying management objects whose collection time is shorter than the reference collection time to the specific type, and for collecting the management objects of the specific
40 type from said managed device to store the collected management objects in said memory section before collecting a management object of a type other than the specific type.

Claims 2-5 (Canceled).

6. (Currently Amended) A management object process unit
~~according to claim 1,~~ comprising:

a control processing section for performing a control of
selectively collecting a plurality of management objects from a
managed device; and

a memory section for storing a plurality of management
objects from a managed device;

wherein said control processing section includes an object
managing section having items of classification data for
classifying the plurality of management objects into types for
collecting those of the management objects in advance which are
classified to a specific one of the types by the classification
data to store the collected management objects in said memory
section for checking at a time of receiving an object collection
request for retrieving the management object confirmed by a check
result as being of the specific from said memory section to
transmit the retrieved management object and for collecting the
management object confirmed by the check result as being of a
type other than the specific type from said managed device to
transmit the collected management object;

wherein said object managing section includes items of
attribute data for management objects each of which includes
(i) a collection time required for collecting a corresponding

management object, and (ii) an access frequency of a collection
25 request for the corresponding management object;

wherein said collection time is for comparison with a
reference collection time and said access frequency is for
comparison with a reference access frequency, and wherein each of
said items of classification data is determined by a result of
30 comparison; and

35 wherein said object managing section includes a processing
section for classifying management objects whose collection time
is shorter than the reference collection time and whose access
frequency is higher than the reference access frequency to the
specific type, and for collecting, when a management object whose
collection time is not shorter than the reference collection time
is requested, the management objects of the specific type from
said managed device to store the collected management objects in
said memory section before collecting the management object
40 whose collection time is not shorter than the reference
collection time.

7. (Currently Amended) A management object process unit
~~according to claim 1,~~ comprising:

a control processing section for performing a control of
selectively collecting a plurality of management objects fro ma
5 managed device; and

a memory section for storing a plurality of management objects from a managed device;

wherein said control processing section includes an object managing section having items of classification data for

10 classifying the plurality of management objects into types for
collecting those of the management objects in advance which are
classified to a specific one of the types by the classification
B4 data to store the collected management objects in said memory
section for checking at a time of receiving an object collection
15 request for retrieving the management object confirmed by a check
result as being of the specific from said memory section to
transmit the retrieved management object and for collecting the
management object confirmed by the check result ads being of a
type other than the specific type from said managed device to
20 transmit the collected management object;

wherein said object managing section includes items of
attribute data for management objects, each of which includes
(i) a collection time required for collecting a corresponding
management object, and (ii) a value change frequency of the
25 corresponding management object;

wherein said collection time is for comparison with a
reference collection time and said value change frequency is for
comparison with a reference value change frequency, and wherein

each of said items of classification data is determined by a
30 result of comparison; and

wherein said object managing section includes a processing
section for classifying management objects whose collection time
is shorter than the reference collection time and whose value
change frequency is higher than the reference value change

35 frequency to the specific type, and for collecting, when a

management object whose collection time is not shorter than the

34 reference collection time is requested, the management objects of
the specific type from said managed device to store the collected
management objects in said memory section before collecting a the

40 management object whose collection time is not shorter than the
reference collection time.

Claims 8 and 9 (Canceled).

10. (Currently Amended) A machine readable recording medium
having a program of a management object process recorded thereon,
said process comprising:

collecting management objects in advance which are
5 classified to a specific ~~type~~ one of the types by items of
classification data to store the collected management objects in
a memory section;

checking, at a time of receiving an object collection
request, the classification data for a management object
10 requested by the object collection request;

retrieving the management object confirmed by a check result
as being of the specific type from the memory section to transmit
the retrieved management object; and

collecting the management object confirmed by the check
15 result as being of a type other than the specific type from the
managed device to transmit the collected management object;

wherein items of attribute data are provided for the
management objects, each of which includes ~~at least one of: (i) a~~
collection time required for collecting a corresponding
20 management object; ~~;~~ ~~(ii) an access frequency of a collection~~
~~request for the corresponding management object, and (iii) a~~
~~value change frequency of the corresponding management object;~~
and

wherein said collection time is for comparison with a
25 reference collection time, ~~said access frequency is for~~
~~comparison with a reference access frequency, and said value~~
~~change frequency is for comparison with a reference value change~~
~~frequency,~~ and wherein each of said items of classification data
is determined by a result of comparison; and

30 wherein said management object process includes a process
for classifying management objects whose collection time is

shorter than the reference collection time to the specific type,
and collecting, when a management object of the type other than
the specific type is requested, the management objects of the
35 specific type from said managed device to store the collected
management objects in said memory section before collecting the
management object of the type other than the specific type.

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Claims 11-14 (Canceled).

15. (Currently Amended) A machine readable recording
medium ~~according to claim 10,~~ having a program of management
object process recorded thereon, said process comprising:

collecting management objects in advance which are
5 classified to a specific one of the types by items of
classification data to store the collected management objects in
a memory section;

checking, at a time of receiving an object collection
request, the classification data for a management object
10 requested by the object collection request;

retrieving the management object confirmed by a check result
as being of the specific type from the memory section to transmit
the retrieved management object; and

collecting the management object confirmed by the check

15 result as being of a type other than the specific type from the
managed device to transmit the collected management object;
wherein items of attribute data being provided for the
management objects, each of which includes (i) a collection time
required for collecting a corresponding management object, and
20 (ii) an access frequency of a collection request for the
corresponding management object;

By 25 wherein said collection time is for comparison with a
reference collection time and said access frequency is for
comparison with a reference access frequency, and wherein each of
said items of classification data is determined by a result of
comparison; and

wherein said management object process includes a process
for classifying management objects whose collection time is
shorter than the reference collection time and whose access
30 frequency is higher than the reference access frequency to the
specific type, and for collecting, when a management object whose
collection time is not shorter than the reference collection time
is requested, the management objects of the specific type from
said managed device to store the collected management objects in
35 said memory section before collecting ~~a~~ the management object
whose collection time is not shorter than the reference
collection time.

16. (Currently Amended) A machine readable recording medium ~~according to claim 10,~~ having a program of management object process recorded thereon, said process comprising:

5 collecting management objects in advance which are classified to a specific one of the types by items of classification data to store the collected management objects in a memory section;

10 checking, at a time of receiving an object collection request, the classification data for a management object requested by the object collection request;

B4 retrieving the management object confirmed by a check result as being of the specific type from the memory section to transmit the retrieved management object; and

15 collecting the management object confirmed by the check result as being of a type other than the specific type from the managed device to transmit the collected management object;

20 wherein items of attribute data being provided for the management objects, each of which includes (i) a collection time required for collecting a corresponding management object, and (ii) an value change frequency of a collection request for the corresponding management object;

wherein said collection time is fro comparison with a reference collection time and said value change frequency is for comparison with a reference value change frequency, and wherein

25 each of said items of classification data is determined by a
result of comparison; and

30 wherein said management object process includes a process
for classifying management objects whose collection time is
shorter than the reference collection time and whose value change
frequency is higher than the reference value change frequency to
the specific type, and for collecting, when a management object
whose collection time is not shorter than the reference
collection time is requested, the management objects of the
specific type from said managed device to store the collected
35 management objects in said memory section before collecting a the
management object whose collection time is not shorter than the
reference collection time.

Claims 17 and 18 (Canceled).